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Experiment: 13. Perform Affine Transformation on the given image using python and Open CV.

Code:

```
import cv2

import numpy as np

i = cv2.imread("image.jpg")

h, w = i.shape[:2]

p1 = np.float32([[50, 50], [200, 50], [50, 200]])

p2 = np.float32([[10, 100], [200, 50], [100, 250]])

m = cv2.getAffineTransform(p1, p2)

a = cv2.warpAffine(i, m, (w, h))

cv2.imshow("Original Image", i)

cv2.imshow("Affine Transformed Image", a)

cv2.waitKey(0)

cv2.destroyAllWindows()
```

Input and Output:

